

Sawmill and Woodworking Machinery Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
333210, Sawmill and woodworking machinery manufacturing	2002..	293	304	7 133	272 831	4 356	10 189	135 398	567 863	489 521	1 074 254	36 548
	2001..	N	N	7 858	284 440	4 974	9 568	144 996	566 787	480 293	1 054 747	20 010
	2000..	N	N	8 803	325 524	5 719	11 346	169 356	705 147	637 913	1 335 455	29 224
	1999..	N	N	8 747	311 958	5 521	10 763	157 619	622 095	586 610	1 202 183	40 953
	1998..	N	N	9 227	318 015	5 563	11 484	149 311	727 248	590 039	1 299 355	35 043
	1997..	312	325	8 973	297 430	5 707	11 527	156 984	681 679	611 849	1 296 200	18 078

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
333210, Sawmill and woodworking machinery manufacturing												
United States	1	304	92	7 133	272 831	4 356	10 189	135 398	567 863	489 521	1 074 254	36 548
Arizona	—	5	3	110	3 585	81	221	2 284	5 469	5 827	11 323	129
California	2	23	7	475	18 526	306	773	10 238	36 286	20 914	59 762	2 889
Illinois	3	13	4	232	8 363	147	287	4 466	18 669	8 389	27 205	742
Indiana	—	13	5	512	19 755	277	682	8 806	39 461	34 919	73 380	1 190
Kansas	2	5	1	104	4 116	47	86	1 310	6 606	3 506	9 831	227
Michigan	—	9	3	676	25 161	362	664	10 472	61 266	57 124	116 120	4 941
Minnesota	—	13	6	517	24 846	275	802	11 162	44 176	61 632	107 896	3 016
Mississippi	—	5	3	339	13 981	257	565	8 997	42 946	26 405	69 817	529
New York	9	11	3	154	5 048	102	203	2 615	11 896	7 989	20 117	709
North Carolina	1	26	8	671	22 603	483	1 227	13 812	46 336	38 337	86 944	4 609
Ohio	4	14	5	303	10 900	161	430	6 077	24 453	5 930	30 970	2 012
Oregon	—	28	13	757	32 844	423	1 256	15 271	58 413	37 401	96 231	4 332
Pennsylvania	1	13	4	155	5 423	98	186	2 814	12 961	3 806	16 993	850
Tennessee	—	9	5	426	13 911	302	588	6 796	36 890	65 449	113 249	1 179
Texas	4	15	1	100	3 409	75	118	1 876	6 157	5 646	11 856	1 075
Washington	—	12	3	274	12 402	175	386	6 658	24 072	11 971	35 970	1 006
Wisconsin	—	10	6	326	10 962	215	381	5 967	22 679	12 969	36 050	492

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
333210, Sawmill and woodworking machinery manufacturing	
Companies ¹	number.. 293
All establishments ²	number.. 304
Establishments with 1 to 19 employees	number.. 212
Establishments with 20 to 99 employees	number.. 76
Establishments with 100 employees or more	number.. 16
All employees ³	number.. 7 133
Total compensation	\$1,000.. 330 907
Annual payroll	\$1,000.. 272 831
Total fringe benefits	\$1,000.. 58 076
Production workers, average for year	number.. 4 356
Production workers on March 12	number.. 4 397
Production workers on May 12	number.. 4 378
Production workers on August 12	number.. 4 341
Production workers on November 12	number.. 4 291
Production worker hours	1,000.. 10 189
Production worker wages	\$1,000.. 135 398
Total cost of materials	\$1,000.. 489 521
Materials, parts, containers, packaging, etc., used	\$1,000.. 393 887
Resales	\$1,000.. 68 281
Purchased fuels	\$1,000.. 2 032
Purchased electricity	\$1,000.. 6 746
Contract work	\$1,000.. 18 575
Quantity of electricity purchased for heat and power	1,000 kWh.. 112 245
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 1 074 254
Primary products value of shipments	\$1,000.. 833 410
Secondary products value of shipments	\$1,000.. 102 971
Total miscellaneous receipts	\$1,000.. 137 873
Value of resales	\$1,000.. 88 886
Contract receipts	\$1,000.. 37 847
Other miscellaneous receipts	\$1,000.. 11 140
Primary products specialization ratio	percent.. 89
Value of primary products shipments made in all industries	\$1,000.. 863 355
Value of primary products shipments made in this industry	\$1,000.. 833 410
Value of primary products shipments made in other industries	\$1,000.. 29 945
Coverage ratio	percent.. 97
Value added	\$1,000.. 567 863
Total inventories, beginning of year	\$1,000.. 193 129
Finished goods inventories	\$1,000.. 62 938
Work-in-process inventories	\$1,000.. 47 815
Materials and supplies inventories	\$1,000.. 82 376
Total inventories, end of year	\$1,000.. 176 214
Finished goods inventories	\$1,000.. 48 941
Work-in-process inventories	\$1,000.. 44 942
Materials and supplies inventories	\$1,000.. 82 331
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 386 451
Total capital expenditures (new and used)	\$1,000.. 36 548
Buildings and other structures (new and used)	\$1,000.. 3 736
Machinery and equipment (new and used)	\$1,000.. 32 812
Automobiles, trucks, etc., for highway use	\$1,000.. 4 021
Computers and peripheral data processing equipment	\$1,000.. 6 606
All other expenditures for machinery and equipment	\$1,000.. 22 185
Total retirements	\$1,000.. 20 120
Gross value of depreciable assets at end of year	\$1,000.. 402 879
Depreciation charges during year	\$1,000.. 23 757
Total rental payments	\$1,000.. 16 492
Buildings and other structures	\$1,000.. 11 459
Machinery and equipment	\$1,000.. 5 033
Total other expenses ⁴	\$1,000.. 66 733
Response coverage ratio ⁵	percent.. 71
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 3 983
Communications services ⁴	\$1,000.. 2 529
Legal services ⁴	\$1,000.. 1 676
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 1 921
Advertising and promotional services ⁴	\$1,000.. 6 426
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 1 429
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 680
Management consulting and administrative services ⁴	\$1,000.. 2 386
Taxes and license fees ⁴	\$1,000.. 2 553
All other expenses ⁴	\$1,000.. 43 150

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
333210, Sawmill and woodworking machinery manufacturing											
All establishments	1	304	7 133	272 831	4 356	10 189	135 398	567 863	489 521	1 074 254	36 548
Establishments with—											
1 to 4 employees	9	121	235	8 287	144	250	3 702	16 053	13 286	29 412	1 924
5 to 9 employees	3	50	337	12 558	215	492	6 131	24 321	19 976	44 824	1 304
10 to 19 employees	1	41	579	23 563	344	851	10 053	48 596	41 247	87 217	3 835
20 to 49 employees	1	55	1 770	64 140	1 140	2 902	34 863	132 972	77 468	215 430	5 352
50 to 99 employees	2	21	1 464	57 604	895	2 502	28 086	111 624	71 379	184 856	7 589
100 to 249 employees	—	15	g	D	D	D	D	D	D	D	D
250 to 499 employees	—	—	—	—	—	—	—	—	—	—	—
500 to 999 employees	—	1	f	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	118	243	8 550	152	262	3 825	16 235	14 237	30 471	1 250

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
333210	Sawmill and woodworking machinery manufacturing	304	7 133	272 831	4 356	10 189	135 398	567 863	489 521	1 074 254	36 548
3332103	Woodworking machinery, including parts, attachments, and accessories	143	5 826	228 402	3 505	8 433	112 178	473 608	373 465	854 587	29 296
3332105	Woodworking machinery for home workshops, garages, and service shops (excluding chainsaws and other power-driven handtools)	6	558	17 110	383	723	10 381	49 069	75 922	134 191	2 987

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
333210	Sawmill and woodworking machinery manufacturing	2002.. N 1997.. N	X X	X X	863 355 1 101 642
3332103	Woodworking machinery, including parts, attachments, and accessories	2002.. N 1997.. N	X X	X X	711 647 829 627
33321031	Woodworking sawmill equipment	2002.. N 1997.. N	X X	X X	269 780 300 965
3332103101	Woodworking sawmill circular saws (head rigs)	2002.. 8 1997.. 12	X X	X X	12 028 25 407
3332103106	Woodworking sawmill band saws (head rigs)	2002.. 12 1997.. 13	X X	X X	40 850 60 756
3332103111	Woodworking sawmill equipment, removing bark from logs	2002.. 6 1997.. 3	X X	X X	26 200 1 567
3332103116	Woodworking sawmill equipment, chipping or splitting wood	2002.. 9 1997.. 10	X X	X X	28 983 10 344
3332103121	Woodworking sawmill equipment, specialized sawmill materials handling equipment	2002.. 19 1997.. 23	X X	X X	43 701 91 614
3332103126	Other woodworking sawmill equipment	2002.. 24 1997.. 23	X X	X X	118 018 111 277
33321032	Woodworking machines and equipment, including moulders	2002.. N 1997.. N	X X	X X	349 240 394 980
3332103231	Woodworking sawing machines (except sawmill equipment)	2002.. 18 1997.. 17	X X	X X	40 700 63 401
3332103236	Woodworking planing machinery (including single and double planers, facers, jointers, and abrasive planers)	2002.. 10 1997.. 10	X X	X X	25 595 30 073
3332103241	Woodworking sanding machines	2002.. 11 1997.. 12	X X	X X	26 535 31 149
3332103246	Woodworking boring machines	2002.. 6 1997.. 5	X X	X X	3 661 4 847
3332103251	Woodworking mortising and tenoning machines	2002.. 4 1997.. 2	X X	X X	2 255 2 272
3332103256	Woodworking lathes or turning machines	2002.. 5 1997.. 8	X X	X X	11 018 17 493
3332103261	Woodworking routers	2002.. 8 1997.. 11	X X	X X	54 337 60 313
3332103266	Woodworking shapers and profilers	2002.. 9 1997.. 8	X X	X X	12 687 11 322
3332103271	Woodworking assembling, gluing, laminating, and finishing machines	2002.. 12 1997.. 15	X X	X X	27 601 50 639
3332103276	Multifunction woodworking machines	2002.. 30 1997.. 5	X X	X X	51 216 9 387
3332103292	Other woodworking machines and equipment	2002.. 40 1997.. N	X X	X X	93 635 N
33321033	Parts, attachments, and accessories for woodworking machinery (sold separately), excluding saw blades and cutting tools	2002.. N 1997.. N	X X	X X	73 320 118 187
3332103396	Parts, attachments, and accessories for woodworking machinery (sold separately), excluding saw blades and cutting tools	2002.. 51 1997.. 57	X X	X X	73 320 118 187
3332103Y	Woodworking machinery, including parts, attachments, and accessories, nsk	2002.. N 1997.. N	X X	X X	19 307 15 495
3332103YVV	Woodworking machinery, including parts, attachments, and accessories, nsk	2002.. N 1997.. N	X X	X X	19 307 15 495
3332105	Woodworking machinery for home workshops, garages, and service shops (excluding chainsaws and other power-driven handtools)	2002.. N 1997.. N	X X	X X	85 265 173 826
33321053	Woodworking saws, machines, and equipment for home workshops, garages and service shops	2002.. N 1997.. N	X X	X X	82 177 N
3332105311	Woodworking saws, including circular and band saws (excluding chain saws) for home workshops, garages, and service shops	2002.. 7 1997.. N	X X	121.7 N	54 187 N
3332105351	Other woodworking machinery for home workshops, garages, and service shops (except power-driven handtools)	2002.. 7 1997.. N	X X	X X	27 990 N
3332105Y	Woodworking machinery for home workshops, garages, and service shops, nsk	2002.. N 1997.. N	X X	X X	3 088 —
3332105YVV	Woodworking machinery for home workshops, garages, and service shops, nsk	2002.. N 1997.. N	X X	X X	3 088 —
333210W	Sawmill and woodworking machinery manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	66 443 98 189
333210WY	Sawmill and woodworking machinery manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	66 443 98 189
333210WYWW	Sawmill and woodworking machinery manufacturing, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	41 605 66 790
333210WYWY	Sawmill and woodworking machinery manufacturing, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	24 838 31 399

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Table 6a. **Products Statistics: 2002 and 1997**—Con.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3332103	Woodworking machinery, including parts, attachments, and accessories	
	United States	2002 .. 711 647
		1997 .. 829 627
	Arizona	2002 .. 10 159
		1997 .. 10 308
		1997 .. N
	California	2002 .. 54 027
		1997 .. 31 786
		1997 .. 10 584
	Illinois	2002 .. 17 425
		1997 .. 16 214
	Indiana	2002 .. 57 371
		1997 .. 68 644
		1997 .. N
	Minnesota	2002 .. 81 505
		1997 .. 56 765
	Mississippi	2002 .. 59 540
		1997 .. 59 554
		1997 .. 8 905
		1997 .. 3 401
	New York	2002 .. 13 619
		1997 .. N
	North Carolina	2002 .. 50 675
		1997 .. 71 415
	Ohio	2002 .. 21 121
		1997 .. N
	Oregon	2002 .. 75 250
		1997 .. 146 454
	Pennsylvania	2002 .. 16 497
		1997 .. 12 456
	Tennessee	2002 .. 14 364
		1997 .. 30 293
	Texas	2002 .. 5 624
		1997 .. 5 936
		1997 .. 4 532
	Washington	2002 .. 25 646
		1997 .. N
	Wisconsin	2002 .. 34 464
		1997 .. 32 834
3332105	Woodworking machinery for home workshops, garages, and service shops (excluding chainsaws and other power-driven handtools)	
	United States	2002 .. 85 265
		1997 .. 173 826

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
333210	Sawmill and woodworking machinery manufacturing		
00900001	Total materials .....2002..	X	393 887
	.....1997..	X	488 430
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic) .....2002..	X	11 188
	.....1997..	X	16 019
33391103	All other pumps .....2002..	X	D
	.....1997..	X	335
33291207	Fluid power valves (hydraulic and pneumatic) .....2002..	X	D
	.....1997..	X	5 525
33291203	Fluid power hose and tube fittings and assemblies (hydraulic and pneumatic) .....2002..	X	1 740
	.....1997..	X	3 715
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic) .....2002..	X	3 499
	.....1997..	X	8 200
33399901	Fluid power filters (hydraulic and pneumatic) .....2002..	X	787
	.....1997..	X	448
00190089	Other fluid power products, hydraulic and pneumatic .....2002..	X	2 181
	.....1997..	X	1 037
33200057	Fabricated metal products (excluding forgings) .....2002..	X	18 606
	.....1997..	X	28 585
33210000	Forgings .....2002..	X	1 606
	.....1997..	X	N
33151001	Iron and steel castings (rough and semifinished) .....2002..	X	18 746
	.....1997..	X	29 440
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished) .....2002..	X	5 378
	.....1997..	X	6 685
33152003	Other nonferrous metalcastings, rough and semifinished (excluding aluminum and aluminum-base alloy).....2002..	X	748
	.....1997..	X	1 925
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products) .....2002..	X	17 459
	.....1997..	X	55 454
33120016	Steel sheet and strip (including tinplate) .....2002..	X	14 776
	.....1997..	X	N
33120033	All other steel shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	32 824
	.....1997..	X	3 021
331000AJ	Nonferrous metal shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	1 152
	.....1997..	X	718
33531225	Fractional horsepower electric motors and generators (less than 1 hp) .....2002..	X	8 345
	.....1997..	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more) .....2002..	X	16 155
	.....1997..	X	23 990
33299105	Ball bearings (mounted or unmounted) .....2002..	X	6 125
	.....1997..	X	8 902
33299103	Roller bearings (mounted or unmounted) .....2002..	X	3 636
	.....1997..	X	4 920
32610011	Fabricated plastics products (excluding gaskets) .....2002..	X	5 043
	.....1997..	X	7 172
001900B1	Electrical transmission, distribution, and control equipment .....2002..	X	13 428
	.....1997..	X	15 781
33531413	Numerical controls for woodworking machinery and equipment .....2002..	X	12 169
	.....1997..	X	5 436
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	7 633
	.....1997..	X	5 636
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	75 094
	.....1997..	X	185 939
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	106 532
	.....1997..	X	69 547

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.